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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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basic imagery interpretation report

Moscow Aircraft Engine Experimental Plant Luznetskaya 300, USSR (S)

STRATEGIC WEAPONS INDUSTRIAL FACILITIES

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RCA-09/0041/78

OCTOBER 1980

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INSTALLATION OR ACTIVITY NAME					COUNTRY	
Moscow Aircraft Engine Experimental Plant Luznetskaya 300					UR	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO.	COMIREX NO.	NIETB NO.	
NA	55-42-54N 037-34-15E	[REDACTED]				
MAP REFERENCE						
DMAAC. USATC, Series 200, Sheet 0167-5, scale 1:200,000						
LATEST IMAGERY USED				NEGATION DATE (If required)		
[REDACTED]				NA		

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ABSTRACT

1. (S/D) This report updates NPIC report [REDACTED] on Moscow Aircraft Engine Experimental Plant Luznetskaya 300, USSR, and satisfies the basic reporting requirement for this target. It describes construction completed at the plant between [REDACTED]. The latest imagery used was [REDACTED]. This report also briefly discusses three collocated facilities which were included as integral parts of the plant in the previous NPIC report. After further analysis, however, these facilities were found to be functionally unrelated to the plant.

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2. (S) Included in this report are a location map, two annotated photographs, an annotated line drawing, and a table of mensural data. Because of the deletion of three collocated facilities previously included as integral parts of the plant, a realignment of the plant boundary was necessary. Because of this realignment a new numbering system was used in this report.

INTRODUCTION

3. (S/D) This report updates a previous NPIC report¹ on Moscow Aircraft Engine Experimental Plant Luznetskaya 300, USSR (Figure 1). A realignment of the plant boundary and the subsequent adjustment of previous floorspace figures were necessary because of the deletion of three unrelated facilities from the total plant area. The adjusted floorspace total for the previous report has been changed to 91,196 square meters. A total of 6,054 square meters of floorspace had been constructed since [REDACTED] which is the information cutoff date of the previous report. There was a net gain, however, of only 3,936 square meters of floorspace because of the razing of 2,118 square meters of previously constructed floorspace. The total floorspace for the plant is presently 95,132 square meters.

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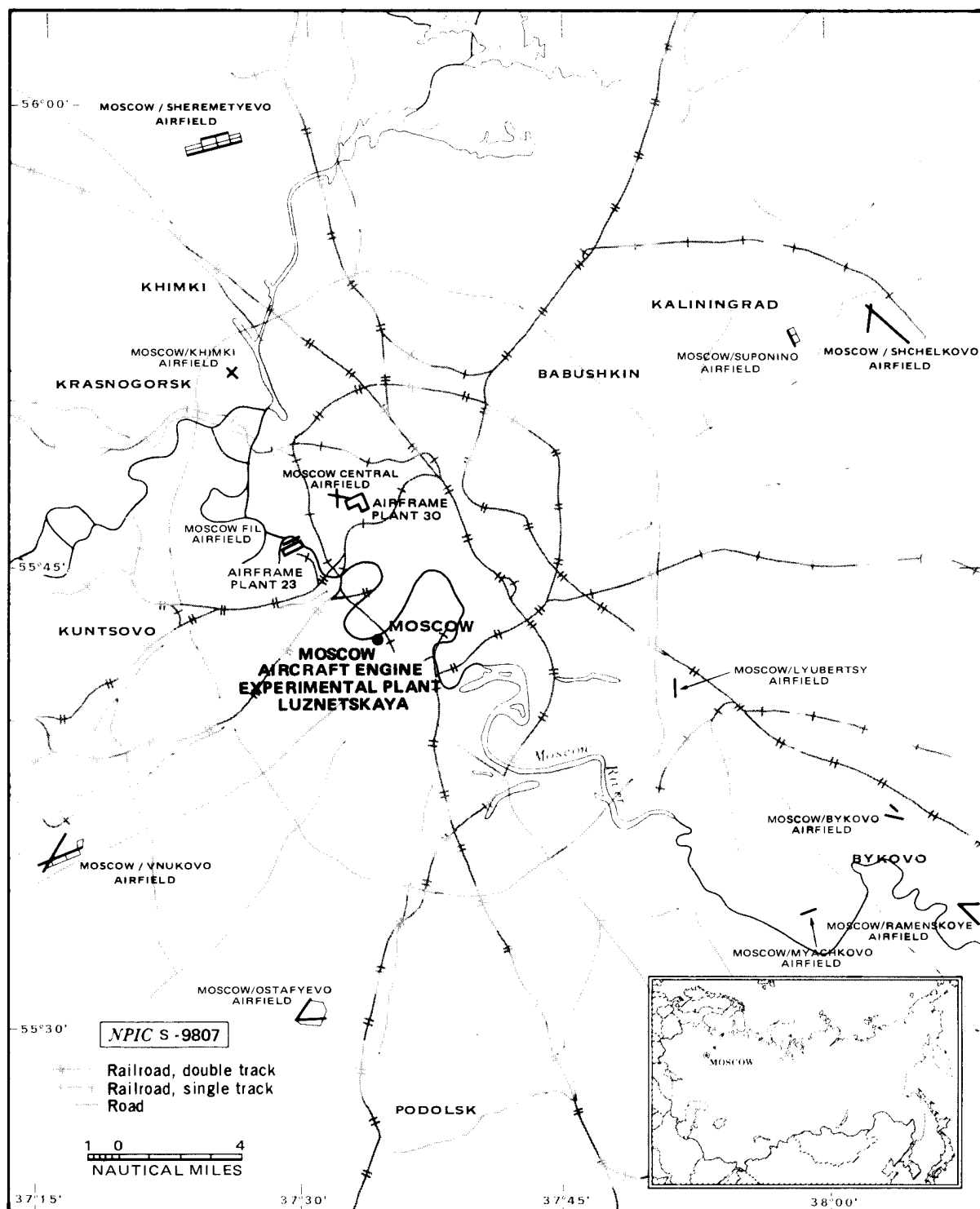


FIGURE 1. LOCATION OF MOSCOW AIRCRAFT ENGINE EXPERIMENTAL PLANT LUZNetskAYA 300, USSR

- 2 -

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RCA-09/0041/79

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BASIC DESCRIPTION

Construction Activity

5. (S/D) Fifteen construction projects were completed between [REDACTED] [REDACTED] including the construction of new buildings, new engine test silencers/diffusers, and building additions and the razing of buildings,. Figure 2 illustrates all construction observed at the plant since [REDACTED] Table 1 presents the mensural information for the items annotated on Figure 2.

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6. (S/D) A total of 1,817 square meters of production floorspace has been added to the plant since [REDACTED] This was accomplished through the construction of additions to the main assembly building (item 21e, Figure 2 and Table 1), and to two shop buildings (items 22b, 37c,d, and e). The total production floorspace is presently 24,035 square meters.

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7. (S/D) Administration/engineering/test floorspace was increased by 2,617 square meters since [REDACTED] This was accomplished by the construction of 3,651 square meters of new floorspace and the razing of 1,034 square meters of existing floorspace. A previously constructed administration/engineering building was razed to allow construction of a new administration/engineering building (items 55a, b, and c). New additions were made to an engineering/shop building (items 35c and d) and to an administration building (items 10b, c, and d). In addition, three small silencers/diffusers (item 29h) were erected off the southern corner of the engine test building (Figure 3²). The total administration/engineering/test floorspace is presently 66,083 square meters.

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8. (S/D) A total of 586 square meters of storage/support floorspace was constructed during this reporting period. However, an actual decrease of 498 square meters occurred because of the razing of 1,084 square meters of previously constructed floorspace. New construction consisted of four storage/support buildings (items 7, 8, 33, and 44) and a small storage building (item 56). Two storage/support buildings were razed to allow for the construction of a new hotel reportedly for the 1980 summer Olympics.³ The total storage/support floorspace is presently 5,014 square meters.

Collocated Facilities

9. (S/D) Three facilities, functionally unrelated to Plant 300, were included as integral parts of the plant in the previous NPIC report. For the purpose of identification these facilities are briefly discussed in the following paragraphs.

10. (S/D) An automobile park/motorpool (Figure 4), previously identified as an open storage area, was reported to be adjacent to the southwest boundary of the plant in the initial report. This area contained numerous single-bay garages, probable vehicle maintenance buildings, and vehicle service racks and was separated from Plant 300 by a 2-meter-high wall. By May 1977, this area had been razed to allow the construction of the olympic hotel.

11. (S/D) Immediately southeast of the new hotel is a facility previously listed as an administration building for Plant 300. However, this building is separated from the plant by a wall and a roadway and is reportedly associated with the Soviet food processing industry⁴ (Figure 2).

12. (S/D) Adjacent to the southern corner of the plant is a truck park/garage area containing a two-story administration building, two vehicle maintenance buildings, and open vehicle parking (Figure 2). This area is also separated from Plant 300 by a 2-meter-high wall and is not a part of the plant.

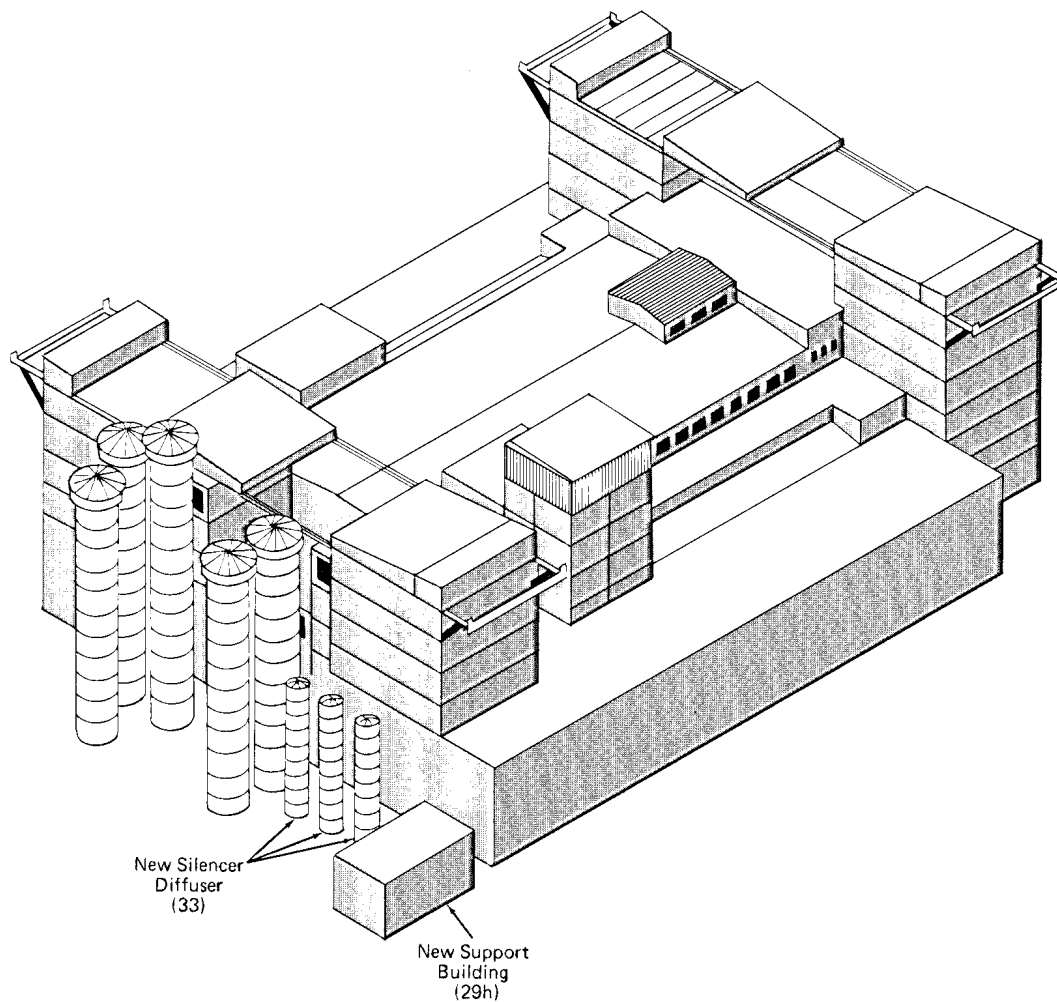
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Table 1.
Moscow Aircraft Engine Experimental Plant Lunetskaya 300
(Keyed to Figure 1)
This table in its entirety is classified TOP SECRET RUFF

Item	Function	Dimensions* (m)			Floorspace (sq m)	Date Considered Complete	Remarks	Item	Function	Dimensions* (m)			Floorspace (sq m)	Date Considered Complete	Remarks	Item	Function	Dimensions* (m)			Floorspace (sq m)	Date Considered Complete	Remarks
		L	W	H						L	W	H						L	W	H			
1	Shop/support bldg				319	Prior to Aug 70		27	Administration bldg				896	Jan 53	2 stories	a	Storage support sec				194	Jan 72	
2	Shop/support bldg				319	Prior to Aug 70		28	Shop bldg				1,091	Jul 56		b	Storage/support sec				39	Jun 75	
3	Shop building				1,287	Jan 43	2 stories	29	Engine test bldg				—	Jan 46		c	Storage/support sec				84	Jun 75	
4	Shop bldg				639	Prior to Aug 70	2 stories	a	Air intakes (2)				—	Aug 53		45	Admin/engineering bldg				3,829	Jul 41	3 stories
5	Shop bldg				159	Prior to Aug 70		b	Auxiliary exhaust				—	Jan 46		46	Engineering support bldg				190	Prior to Aug 70	2 stories
6	Maintenance bldg				608	Jun 64		c	Air exhausts (2)				—	Aug 53		47	Administration bldg				559	Jul 41	
7	Storage/support bldg				107	Jan 72		d	Test sec				335	Aug 53		48	High-bay shop bldg				443	Prior to Aug 70	
8	Storage/support bldg				77	Jul 77		e	Test sec				636	Jul 56		49	Storage/support bldg				472	Prior to Aug 70	
9	Storage/support bldg				29	Prior to Aug 70		f	Control sec				1,164	Jan 46		50	Admin/engineering bldg				1,361	Jul 41	2 stories
10	Administration bldg				984	June 64		g	Large silencers/diffusers (5)				—	Aug 65		51	Engineering/lab bldg				2,642	Jul 41	3 stories
a	Administration sec				107	Jun 71	3 stories	h	Small silencers/diffusers (3)				—	Jun 78		a	Engineering sec				2,773	Jul 41	2 stories
b	Storage/support sec				117	Jun 71		31	Shop bldg				308	Prior to Aug 70		b	Laboratory sec				87	Jul 41	
c	Storage/support sec				82	Jun 71		32	Shop bldg				247	Prior to Aug 70		c	Support sec				2,166	Jul 41	3 stories
d	Storage/support sec				1,059	Jun 64	3 stories	33	Support bldg				1,734	Jul 56	3 stories	52	Engineering/lab bldg				2,313	Jul 41	3 stories
11	Admin/engineering bldg				1,936	Jun 64		34	Shop/support bldg				17	Apr 78		a	Engineering sec				263	Jul 41	
12	Shop bldg				124	Prior to Aug 70		35	Shop/engineering bldg				370	Prior to Aug 70		b	Laboratory sec				1,073	Jul 41	
13	Storage/support bldg				117	Prior to Aug 70		36	Shop/engineering sec				2,132	Jul 56	4 stories	c	Heating plant				263	Jul 41	
14	Storage/support bldg				364	Prior to Aug 70		b	Shop sec				1,599	Jul 56	3 stories	54	Admin/engineering bldg				3,478	Jul 41	2 stories
15	Storage/support bldg				158	Prior to Aug 70		c	Shop sec				917	Jul 79	4 stories	a	Engineering sec				671	Jul 41	
a	Storage/support sec				319	Prior to Aug 70		36	Storage/support bldg				251	Jul 79	4 stories	b	Engineering sec				1,345	Jul 41	2 stories
b	Storage/support sec				319	Prior to Aug 70		37	Shop bldg				86	Prior to Aug 70		c	Administration sec				3,478	Jul 41	2 stories
16	Storage/support bldg				54	Prior to Aug 70		d	High-bay shop addition				1,966	Mar 69		55	Admin/engineering bldg				1,000	Nov 78	4 stories
17	Storage/support bldg				181	Prior to Aug 70		a	High-bay shop addition				950	Jun 64	2 stories	a	Admin/engineering sec				1,121	Nov 78	3 stories
18	Storage/support bldg				804	Jul 56		b	Admin/engineering sec				507	Aug 72		b	Admin/engineering sec				1,905	Jul 41	3 stories
19	Storage/support bldg				4,982	Jul 44		c	High-bay shop addition				271	Aug 72		c	Admin/engineering sec				57	Jul 79	
20	Admin/engineering bldg				2,272	Jul 44	4 stories	d	High-bay shop addition				408	Aug 72		d	Support sec				48	Feb 78	
21	Main assembly bldg				220	Jul 44	2 stories	e	High-bay shop addition				1,056	Jul 56		56	Storage bldg				47	Prior to Aug 70	
a	Assembly sec				220	Jul 44	2 stories	f	Shop sec				155	Prior to Aug 70		57	Storage bldg				287	Prior to Aug 70	
b	Admin/engineering sec				220	Jul 44	2 stories	38	Support bldg				226	Prior to Aug 70		58	Storage/support bldg				1,565	Jul 41	2 stories
c	Support sec				146	Mar 80	2 stories	39	Shop/support bldg				105	Prior to Aug 70		59	Engineering/lab bldg				647	Jun 64	
d	Support sec				146	Mar 80	2 stories	40	Storage/support bldg				73	Prior to Aug 70		a	Engineering sec				1,071	Jul 56	
e	Support sec				1,118	Jul 41	2 stories	41	Storage/support bldg				1,745	Jul 41	2 stories	b	Laboratory sec				9,032	Jun 64	6 stories
22	Shop bldg				485	Oct 79	2 stories	42	Engineering/lab bldg				3,856	Jul 41	4 stories	60	Shop bldg				95,132	Prior to Aug 70	
a	Shop addition				264	Prior to Aug 70		a	Laboratory sec				9,825	Jul 41	4 stories	61	Admin/engineering bldg						
b	Shop addition				154	Prior to Aug 70		b	Engineering sec								Total						
23	Storage/support bldg				749	Nov 67		43	Admin/engineering bldg														
24	Storage/support bldg				1,487	Jul 41		44	Storage/support bldg														
25	Shop bldg																						
26	Engineering/lab bldg																						

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Keyed to Table 1

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FIGURE 3. ENGINE TEST BUILDING. (Drawing derived from referenced document 2.)

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REFERENCES

IMAGERY

(TSR) All applicable KEYHOLE imagery of usable interpretability acquired from [REDACTED] was used in the preparation of this report. The information cutoff date is [REDACTED]

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CHARTS

DMAAC. US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000 (UNCLASSIFIED)

DOCUMENTS

1. NPIC. [REDACTED] RCA-09/0023/71, Moscow Aircraft Engine Experimental Plant Luznetskaya 300, Dec 70 (TOP SECRET [REDACTED])
2. USAF/FTD. [REDACTED] Plan view and drawings 71D6522/6, *Moskva AC Eng Expmu P Luznetskaya 300 (U)*, 21 May 71, revised 1972, 1974, 1976, 1977, and 2 Aug 78 (TOP SECRET R)
3. DoD. IIR 6-901-0528-77, *Luzhniki Experimental Aircraft Engine Plant 300*, 19 May 77 (CONFIDENTIAL/- [REDACTED])
4. DoD. IIR 6-901-0519-72, *Moscow Aircraft Engine Experimental Plant Luzhnetskova 300*, 17 Nov 72 (CONFIDENTIAL)

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*Extracted material is releasable to foreign nationals.

REQUIREMENT

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Project 290067DJ

(S) Comments and queries regarding this report are welcome. They may be directed to [REDACTED] Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC [REDACTED]

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